

SEQUENCE LISTING

<110> Dade Behring Marburg GmbH

<120> Novel surface protein (HBsAg) variant of the hepatitis B virus

<130> MA 1252

<150> DE 10328080.4

<151> 2003-06-20

<160> 26

<170> PatentIn version 3.2

<210> 1

<211> 462

<212> DNA

<213> Hepatitis B virus

<400> 1

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ttcctcttca tctgtctgct atgcctcatc ttcttattgg ttcttctgga ttatcaaggt      180
atgttgcccg tttgtcctct aattccagga tcaacaagaa ccagtacggg acaatgcaaa      240
acctgcacga ctctgtctca aggcaactct atgtttccct catgttgctg tacaaaacct      300
acggatggaa attgcacctg tattcccatc ccattgtcct gggctttcgc aaaataccta      360
tggtgtggg cctcagtcag tttctcttgg ctcatgttac tagtgccatt tggtcgggtg      420
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<210> 2

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<212> DNA

<213> Hepatitis B virus

<400> 2

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cccatcccat tgtcctgggc tttcgcaaaa tacctatggg tgtgggcctc agtcggttcc      180
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<210> 3

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<212> DNA
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<210> 6
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<212> DNA
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<211> 153
<212> DNA
<213> Hepatitis B virus

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tcctgggctt tcgcaaaata cctatgggtg tgg 153

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<212> DNA
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<213> Hepatitis B virus

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<210> 10
<211> 51
<212> DNA
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<211> 36
<212> DNA
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<210> 12
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<212> PRT
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<400> 12

Gly Gly Ser Pro Val Cys Leu Gly Gln Asn Ser Gln Ser Pro Thr Ser
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Asn His Ser Pro Thr Ser Cys Pro Pro Ile Cys Pro Gly Tyr Arg Trp
20 25 30

Met Cys Leu Arg Arg Phe Ile Ile Phe Leu Phe Ile Leu Leu Leu Cys
35 40 45

Leu Ile Phe Leu Leu Val Leu Leu Asp Tyr Gln Gly Met Leu Pro Val
50 55 60

Cys Pro Leu Ile Pro Gly Ser Thr Arg Thr Ser Thr Gly Gln Cys Lys
65 70 75 80

Thr Cys Thr Thr Pro Ala Gln Gly Asn Ser Met Phe Pro Ser Cys Cys
85 90 95

Cys Thr Lys Pro Thr Asp Gly Asn Cys Thr Cys Ile Pro Ile Pro Leu
100 105 110

Ser Trp Ala Phe Ala Lys Tyr Leu Trp Val Trp Ala Ser Val Arg Phe
115 120 125

Ser Trp Leu Ser Leu Leu Val Pro Phe Val Arg Trp Phe Val Gly Leu
130 135 140

Ser Pro Thr Val Trp Leu Ser Ala Ile Trp
145 150

<210> 13
<211> 75
<212> PRT
<213> Hepatitis B virus

<400> 13

Pro Gly Ser Thr Arg Thr Ser Thr Gly Gln Cys Lys Thr Cys Thr Thr
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Pro Ala Gln Gly Asn Ser Met Phe Pro Ser Cys Cys Cys Thr Lys Pro
20 25 30

Thr Asp Gly Asn Cys Thr Cys Ile Pro Ile Pro Leu Ser Trp Ala Phe
35 40 45

Ala Lys Tyr Leu Trp Val Trp Ala Ser Val Arg Phe Ser Trp Leu Ser
50 55 60

Leu Leu Val Pro Phe Val Arg Trp Phe Val Gly
65 70 75

<210> 14
<211> 60
<212> PRT
<213> Hepatitis B virus

<400> 14

Pro Gly Ser Thr Arg Thr Ser Thr Gly Gln Cys Lys Thr Cys Thr Thr
1 5 10 15

Pro Ala Gln Gly Asn Ser Met Phe Pro Ser Cys Cys Cys Thr Lys Pro
20 25 30

Thr Asp Gly Asn Cys Thr Cys Ile Pro Ile Pro Leu Ser Trp Ala Phe
35 40 45

Ala Lys Tyr Leu Trp Val Trp Ala Ser Val Arg Phe
50 55 60

<210> 15
<211> 55
<212> PRT
<213> Hepatitis B virus

<400> 15

Pro Gly Ser Thr Arg Thr Ser Thr Gly Gln Cys Lys Thr Cys Thr Thr
1 5 10 15

Pro Ala Gln Gly Asn Ser Met Phe Pro Ser Cys Cys Cys Thr Lys Pro
20 25 30

Thr Asp Gly Asn Cys Thr Cys Ile Pro Ile Pro Leu Ser Trp Ala Phe
35 40 45

Ala Lys Tyr Leu Trp Val Trp
50 55

<210> 16
<211> 20
<212> PRT
<213> Hepatitis B virus

<400> 16

Pro Gly Ser Thr Arg Thr Ser Thr Gly Gln Cys Lys Thr Cys Thr Thr
1 5 10 15

Pro Ala Gln Gly
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<210> 17
<211> 10
<212> PRT
<213> Hepatitis B virus

<400> 17

Pro Gly Ser Thr Arg Thr Ser Thr Gly Gln
1 5 10

<210> 18
<211> 51
<212> PRT
<213> Hepatitis B virus

<400> 18

Arg Thr Ser Thr Gly Gln Cys Lys Thr Cys Thr Thr Pro Ala Gln Gly
1 5 10 15

Asn Ser Met Phe Pro Ser Cys Cys Cys Thr Lys Pro Thr Asp Gly Asn
20 25 30

Cys Thr Cys Ile Pro Ile Pro Leu Ser Trp Ala Phe Ala Lys Tyr Leu
35 40 45

Trp Val Trp
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<210> 19
<211> 6
<212> PRT
<213> Hepatitis B virus

<400> 19

Arg Thr Ser Thr Gly Gln
1 5

<210> 20
<211> 36
<212> PRT
<213> Hepatitis B virus

<400> 20

Pro Ile Pro Leu Ser Trp Ala Phe Ala Lys Tyr Leu Trp Val Trp Ala
1 5 10 15

Ser Val Arg Phe Ser Trp Leu Ser Leu Leu Val Pro Phe Val Arg Trp
20 25 30

Phe Val Gly Leu
35

<210> 21
<211> 20
<212> PRT
<213> Hepatitis B virus

<400> 21

Pro Ile Pro Leu Ser Trp Ala Phe Ala Lys Tyr Leu Trp Val Trp Ala
1 5 10 15

Ser Val Arg Phe
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<210> 22
<211> 15
<212> PRT
<213> Hepatitis B virus

<400> 22

Pro Ile Pro Leu Ser Trp Ala Phe Ala Lys Tyr Leu Trp Val Trp
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<210> 23
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
 <223> Primer 1

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 <210> 24
 <211> 26
 <212> DNA
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 <220>
 <223> Primer 2

 <400> 24
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 <210> 25
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 <220>
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 <210> 26
 <211> 22
 <212> DNA
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 <220>
 <223> Primer 4

 <400> 26
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